

(FILE 'USPAT' ENTERED AT 14:03:43 ON 31 JUL 1999)

L1 27693 S CLON?  
L2 263 S L1 (10A) (PIG OR SWINE OR PORCINE)  
L3 2 S L2 (10A) (NT OR NUCLEAR TRANSFER)  
L4 2 S L2 (10A) (DIFFERENTIAT? OR ADULT OR SOMATIC)

=> d 13 1-2; d 14 1-2

1. 5,859,204, Jan. 12, 1999, Modified factor VIII; John S. Lollar,  
530/383; 435/69.1, 69.6 [IMAGE AVAILABLE]

2. 5,523,226, Jun. 4, 1996, Transgenic swine compositions and methods;  
Matthew B. Wheeler, 435/325; 424/9.1; 435/7.23, 378 [IMAGE AVAILABLE]

1. 5,866,420, Feb. 2, 1999, Artificial liver device; Neil C. Talbot, et  
al., 435/395, 347, 357, 373, 375, 400, 404 [IMAGE AVAILABLE]

2. 5,348,856, Sep. 20, 1994, DNA encoding TRKC protein; Mariano  
Barbacid, et al., 435/6, 69.1, 252.3, 320.1; 530/350; 536/23.5 [IMAGE  
AVAILABLE]

(FILE 'HOME' ENTERED AT 13:40:09 ON 31 JUL 1999)

FILE 'CAPLUS' ENTERED AT 13:40:15 ON 31 JUL 1999

L1	213284 S CLON?
L2	912 S L1 (10A) PIG
L3	1666 S L1 (10A) (PIG OR SWINE OR PORCINE)
L4	23 S L3 (10A) (DIFFERENTIAT? OR ADULT OR SOMATIC)
L5	7450 S L1 (10A) (SHEEP OR LAMB?)
L6	3 S L5 (10A) NUCLEAR TRANSFER
L7	2 S L3 (10A) NUCLEAR TRANSFER

(FILE 'HOME' ENTERED AT 11:44:03 ON 31 JUL 1999)

FILE 'CAPLUS' ENTERED AT 11:44:07 ON 31 JUL 1999

L1 142804 S (PIG OR PORCINE OR SWINE)  
L2 7134 S L1 (10A) (HEPATOCYTE# OR LIVER)  
L3 120 S L2 (10A) CULTUR?  
L4 50 S L3 (10A) GUINEA  
L5 70 S L3 NOT L4  
L6 104 S L1 (10A) CHIMER?  
L7 8 S L6 (10A) TRANSGENIC

=> d 15 24-49 au ti so; d 17 4-8

L5 ANSWER 24 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Talbot, Neil C.; Caperna, Thomas J.; Lebow, Laura T.; Moscioni, David;  
Pursel, Vernon G.; Rexroad Caird E., Jr.  
TI Ultrastructure, enzymic, and transport properties of the PICM-19 bipotent  
liver cell line  
SO Exp. Cell Res. (1996), 225(1), 22-34  
CODEN: ECREAL; ISSN: 0014-4827

GH 583. E9

L5 ANSWER 25 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Lazar, A.; Wu, F. J.; Mann, H. J.; Remmel, R. P.; Cerra, F. B.; Hu, W.-S.  
TI Multicellular hepatocyte spheroids for development of bioartificial liver  
support system and drug metabolism studies  
SO Anim. Cell Technol.: Dev. 21st Century, [Proc. Meet.] (1995), Meeting  
Date 1994, 1017-1023. Editor(s): Beuvery, E. Coen; Griffiths, J. Brian;  
Zeijlemaker, Wim P. Publisher: Kluwer, Dordrecht, Neth.  
CODEN: 62VAAP

L5 ANSWER 26 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Monshouwer, Mario; Witkamp, Renger F.; Nijmeijer, Sandra; Van Amsterdam,  
Jan G.; Van Miert, Adelbert S. J. P. A. M.  
TI Suppression of cytochrome P450- and UDP glucuronosyl  
transferase-dependent  
enzyme activities by proinflammatory cytokines and possible role of  
nitric  
oxide in primary cultures of pig hepatocytes  
SO Toxicol. Appl. Pharmacol. (1996), 137(2), 237-44  
CODEN: TXAPA9; ISSN: 0041-008X

L5 ANSWER 27 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Cukrowska, B.; Sinkora, J.; Rehakova, Z.; Splichal, I.; Tuckova, L.;  
Barot-Ciorbaru, R.; Bianchi, A. T. J.; Lodinova-Zadnikova, R.;  
Tlaskalova-Hogenova, H.  
TI Polyclonal immunoglobulin response of thymic, hepatic and splenic  
lymphocytes from fetal, germ-free and conventionally reared pigs to  
different B-cell activators  
SO Folia Microbiol. (Prague) (1995), 40(4), 421-30  
CODEN: FOMIAZ; ISSN: 0015-5632

L5 ANSWER 28 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU te Velde, Anje A.; Ladiges, Nita C. J. J.; Flendrig, Leonard M.;  
Chamuleau, Robert A. F. M.  
TI Functional activity of isolated pig hepatocytes attached to different  
extracellular matrix substrates. Implication for application of pig  
hepatocytes in a bioartificial liver  
SO J. Hepatol. (1995), 23(2), 184-92

- L5 ANSWER 29 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Brameld, J. M.; Weller, P. A.; Saunders, J. C.; Buttery, P. J.; Gilmour, R. S.  
 TI Hormonal control of insulin-like growth factor-I and growth hormone receptor mRNA expression by **porcine hepatocytes** in **culture**  
 SO J. Endocrinol. (1995), 146(2), 239-45  
 CODEN: JOENAK; ISSN: 0022-0795
- L5 ANSWER 30 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Sielaff, Timothy D.; Hu, Michael Y.; Rao, Sridhar; Groehler, Kristine; Olson, Daidre; Mann, Henry J.; Remmel, Rory P.; Shatford, Russell A.D.; Amiot, Bruce; et al.  
 TI A technique for **porcine hepatocyte** harvest and description of differentiated metabolic functions in static **culture**  
 SO Transplantation (1995), 59(10), 1459-63  
 CODEN: TRPLAU; ISSN: 0041-1337
- L5 ANSWER 31 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Witkamp, Renger F.; Nijmeijer, Sandra M.; Monshouwer, Mario; Van Miert, Adelbert S. J. A. M.  
 TI The antibiotic tiamulin is a potent inducer and inhibitor of cytochrome P450 3A via the formation of a stable metabolic intermediate complex. Studies in primary **hepatocyte cultures** and **liver** microsomes of the **pig**  
 SO Drug Metab. Dispos. (1995), 23(5), 542-7  
 CODEN: DMDSAI; ISSN: 0090-9556
- L5 ANSWER 32 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Fuchs, M.; Gerlach, J.; Unger, J.; Encke, J.; Smith, M.; Neuhaus, P.; Nundel, M.; Riedel, E.  
 TI .alpha.-Keto acid metabolism by hepatocytes cultured in a hybrid liver support bioreactor  
 SO Int. J. Artif. Organs (1994), 17(10), 554-8  
 CODEN: IJAODS; ISSN: 0391-3988
- L5 ANSWER 33 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Diaz, Gonzalo J; Boermans, Herman J  
 TI Fumonisin toxicosis in domestic animals: A review  
 SO Vet. Hum. Toxicol. (1994), 36(6), 548-55  
 CODEN: VHTODE; ISSN: 0145-6296
- L5 ANSWER 34 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Wu, Cuizhen; Li, Yuehua; Kan, Lingli; Xue, Longcui  
 TI An in vitro survey on biological activity on hepatocyte growth factor  
 SO Nanjing Yixueyuan Xuebao (1994), 14(2), 139-41  
 CODEN: NAYXEW; ISSN: 1000-5331
- L5 ANSWER 35 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Cosenza, Carlos A.; Cramer, Donald V.; Cunneen, Scott A.; Tusso, Phillip J.; Wang, Hong K.; Makowka, Leonard  
 TI Protective effect of the lazaroid U74006F in cold ischemia-reperfusion injury of the liver  
 SO Hepatology (St. Louis) (1994), 19(2), 418-25  
 CODEN: HPTLD9; ISSN: 0270-9139
- L5 ANSWER 36 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Gerlach, J. C.; Brombacher, J.; Courtney, J. M.; Neuhaus, P.  
 TI Nonenzymic versus enzymic hepatocyte isolation from pig livers for larger scale investigations of liver cell perfusion systems  
 SO Int. J. Artif. Organs (1993), 16(9), 677-81  
 CODEN: IJAODS; ISSN: 0391-3988

QP187, A1, 54

- L5 ANSWER 37 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Seewald, M. J.; Eichinger, H. M.; Powis, G.; Iaizzo, P. A.  
 TI Halothane and putative second messenger agents enhance the release of intracellular calcium in hepatocytes prepared from swine susceptible to malignant hyperthermia  
 SO Proc. - Int. Congr. Meat Sci. Technol., 37th (1991), Volume 1, 473-6  
 Publisher: Fed. Cent. Meat Res., Kulmbach, Germany.  
 CODEN: 58EOAD
- L5 ANSWER 38 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Hoogenboom, L. A. P.; Van Kammen, M.; Huveneers-Oorsprong, M. B. M.; Kuiper, H. A.  
 TI Study on the role of glutathione in the biotransformation and toxicity of furazolidone using pig hepatocytes  
 SO Toxicol. in Vitro (1992), 6(3), 227-37  
 CODEN: TIVIEQ; ISSN: 0887-2333
- L5 ANSWER 39 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Hoogenboom, L. A. P.; Tomassini, O.; Oorsprong, M. B. M.; Kuiper, H. A.  
 TI Use of pig hepatocytes to study the inhibition of monoamine oxidase by furazolidone  
 SO Food Chem. Toxicol. (1991), 29(3), 185-91  
 CODEN: FCTOD7; ISSN: 0278-6915
- L5 ANSWER 40 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Hoogenboom, L. A. P.; Oorsprong, M. B. M.; Van Vliet, T.; Kuiper, H. A.  
 TI The use of pig hepatocytes for cytotoxicity studies of veterinary drugs: a comparative study with furazolidone and other nitrofurans  
 SO Toxicol. in Vitro (1991), 5(1), 31-8  
 CODEN: TIVIEQ; ISSN: 0887-2333
- L5 ANSWER 41 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Kwekkeboom, Jaap; Princen, Hans M. G.; Van Voorthuizen, Eline M.; Kempen, Herman Jan M.  
 TI Bile acids exert negative feedback control on bile acid synthesis in **cultured pig hepatocytes** by suppression of cholesterol 7.alpha.-hydroxylase activity  
 SO Hepatology (Baltimore) (1990), 12(5), 1209-15  
 CODEN: HPTLD9; ISSN: 0270-9139
- L5 ANSWER 42 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Hamada, Tomonori  
 TI The functional evaluations of plated pig hepatocyte monolayers for hybrid artificial liver  
 SO Kanzo (1990), 31(6), 669-77  
 CODEN: KNZOAU
- L5 ANSWER 43 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 IN Togami, Masanori; Yasuda, Kenji; Kariya, Masahiko; Adachi, Norihiko  
 TI Culture medium for animal cells  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF
- L5 ANSWER 44 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Kwekkeboom, Jaap; Princen, Hans M. G.; Van Voorthuizen, Eline M.; Kempen, Herman Jan H.  
 TI Cholesterol 7.alpha.-hydroxylase activity and bile acid synthesis in hepatocytes of unweaned and weaned pigs in monolayer culture  
 SO Biochim. Biophys. Acta (1990), 1042(3), 386-94  
 CODEN: BBACAQ; ISSN: 0006-3002
- L5 ANSWER 45 OF 70 CAPLUS COPYRIGHT 1999 ACS  
 AU Hoogenboom, L. A. P.; Pastoor, F. J. H.; Clous, W. E.; Hesse, S. E.; Kuiper, H. A.  
 TI The use of porcine hepatocytes for biotransformation studies of veterinary

drugs  
SO Xenobiotica (1989), 19(11), 1207-19  
CODEN: XENOBH; ISSN: 0049-8254

L5 ANSWER 46 OF 70 CAPLUS COPYRIGHT 1999 ACS  
IN Moriuchi, Fumio; Muroi, Hisae; Yano, Yasushi  
TI Enzymic manufacture of (R)-(+)-.gamma.-butyrolactone-.gamma.-3-propionic  
acid  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF

L5 ANSWER 47 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Jensen, E.; Hansson, P.; Floren, C. H.; Nilsson, A.; Nilsson-Ehle, P.  
TI Cell-density-dependent release of hepatic lipase from cultured rat  
hepatocytes  
SO Horm. Metab. Res. (1989), 21(1), 4-7  
CODEN: HMMRA2; ISSN: 0018-5043

L5 ANSWER 48 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Kwekkeboom, Jaap; Princen, Hans M. G.; Van Voorthuizen, Eline M.; Meijer,  
Piet; Kempen, Herman Jan M.  
TI Comparison of taurocholate accumulation in **cultured**  
**hepatocytes of pig**, rat and man  
SO Biochem. Biophys. Res. Commun. (1989), 162(2), 619-25  
CODEN: BBRCA9; ISSN: 0006-291X

L5 ANSWER 49 OF 70 CAPLUS COPYRIGHT 1999 ACS  
AU Hoogenboom, Laurentius A. P.; Berghmans, Marcel C. J.; Traag, Wim A.  
TI Biotransformation of .beta.-nortestosterone by **cultured**  
**porcine hepatocytes**  
SO J. Chromatogr. (1989), 489(1), 105-9  
CODEN: JOCRAM; ISSN: 0021-9673

L7 ANSWER 4 OF 8 CAPLUS COPYRIGHT 1999 ACS  
AN 1996:637528 CAPLUS  
DN 125:296151  
TI Chimeric human/porcine factor VIII with improved stability and reduced  
immune response  
IN Pittman, Debra; Rehemtulla, Alnawaz; Wozney, John M.; Kaufman, Randal J.  
PA Genetics Institute, Inc., USA  
SO U.S., 35 pp. Cont.-in-part of U.S. Ser. No. 976,086, abandoned.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5563045	A	19961008	US 93-121202	19930914
	WO 9411503	A2	19940526	WO 93-US9438	19931001
	WO 9411503	A3	19940707		
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9352982	A1	19940608	AU 93-52982	19931001
	EP 672138	A1	19950920	EP 93-923220	19931001
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE					
PRAI	US 92-976086		19921113		
	US 93-121202		19930914		
	WO 93-US9438		19931001		

L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 1999 ACS  
AN 1996:196778 CAPLUS  
DN 124:229975  
TI Thymus products and applications

IN Gerolymatos, Panagiotis N.  
PA P.N. Gerolymatos S.A., Greece  
SO PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9601120	A1	19960118	WO 94-GR16	19940703
	W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9472360	A1	19960125	AU 94-72360	19940703
PRAI	WO 94-GR16		19940703		

L7 ANSWER 6 OF 8 CAPLUS COPYRIGHT 1999 ACS

AN 1996:34798 CAPLUS

DN 124:84018

TI Transgenic animals containing chimeric PrP gene for detecting pathogenic prions in a sample

IN Prusiner, Stanley B.; Scott, Michael R.; Telling, Glenn

PA Regents of the University of California, USA

SO PCT Int. Appl., 54 PP.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9531466	A1	19951123	WO 95-US4426	19950410
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TT, UA				
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5565186	A	19961015	US 94-242188	19940513
	CA 2190160	AA	19951123	CA 95-2190160	19950410
	AU 9522841	A1	19951205	AU 95-22841	19950410
	AU 691277	B2	19980514		
	EP 759028	A1	19970226	EP 95-916295	19950410
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	BR 9507894	A	19970923	BR 95-7894	19950410
	JP 10503925	T2	19980414	JP 95-529642	19950410
PRAI	US 94-242188		19940513		
	WO 95-US4426		19950410		

L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 1999 ACS

AN 1995:382781 CAPLUS

DN 122:158793

TI Embryonic stem cells for making chimeric and transgenic ungulates

IN Wheeler, Matthew B.

PA Biotechnology Research and Development Corp., USA

SO PCT Int. Appl., 94 pp.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9426884	A1	19941124	WO 94-US5529	19940516

W: AU, CA  
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE  
 US 5523226 A 19960604 US 93-63095 19930514  
 AU 9470193 A1 19941212 AU 94-70193 19940516  
 AU 694126 B2 19980716  
 EP 701608 A1 19960320 EP 94-919157 19940516  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE  
 PRAI US 93-63095 19930514  
 WO 94-US5529 19940516

L7 ANSWER 8 OF 8 CAPLUS COPYRIGHT 1999 ACS

AN 1989:418838 CAPLUS

DN 111:18838

TI Dietary and hormonal regulation of expression of exogenous genes in transgenic animals under control of the promoter of the gene for phosphoenolpyruvate carboxykinase

IN Hanson, Richard W.; McGrane, Mary; Wynshaw-Boris, Anthony; Short, Jay; Hatzoglou, Maria

PA Edison Animal Biotechnology Center, USA

SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8810304	A1	19881229	WO 88-US1943	19880613
	W: AT, AU, BB, BG, BR, CH, DE, DK, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU				
	RW: AT, BE, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	AU 8819861	A1	19890119	AU 88-19861	19880613
	AU 618958	B2	19920116		
	EP 365591	A1	19900502	EP 88-906340	19880613
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 03500482	T2	19910207	JP 88-505623	19880613
	US 5075229	A	19911224	US 88-205776	19880613
PRAI	US 87-62654		19870616		
	WO 88-US1943		19880613		